

|   |  |   |
|---|--|---|
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>   |  | ATTORNEY'S DOCKET NUMBER<br><b>MAT-8809US</b>                 |
| INTERNATIONAL APPLICATION NO.<br>PCT/JP2004/016694  | INTERNATIONAL FILING DATE<br>04 November 2004 (04.11.2004) | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br>10/565,859 |
| TITLE OF INVENTION MOBILE COMMUNICATION METHOD, MOBILE COMMUNICATION APPARATUS, HOME AGENT APPARATUS,<br>ACCESS ROUTER INFORMATION SERVER APPARATUS, AND MOBILE COMMUNICATION SYSTEM  |  |   |
| APPLICANT(S) FOR DO/EO/US<br><b>Makoto FUNABIKI, Shinkichi IKEDA</b>  |  |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |  |   |
| 1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.   |  |   |
| 2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.  |  |   |
| 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.   |  |   |
| 4. <input type="checkbox"/> The US has been elected (Article 31).   |  |   |
| 5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul>  |  |   |
| 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul>  |  |   |
| 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ul> |  |   |
| 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).   |  |   |
| 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).  |  |   |
| 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).   |  |   |
| <b>Items 11 to 20 below concern document(s) or information included:</b>  |  |   |
| 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.  |  |   |
| 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.  |  |   |
| 13. <input type="checkbox"/> A preliminary amendment.   |  |   |
| 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.   |  |   |
| 15. <input type="checkbox"/> A substitute specification.  |  |   |
| 16. <input type="checkbox"/> A power of attorney and/or change of address letter.   |  |   |
| 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.  |  |   |
| 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).  |  |   |
| 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).  |  |   |
| 20. <input checked="" type="checkbox"/> Other items or information: <small>Corrected Information Disclosure Statement; Replacement Sheet 1 of 2, PTO/SB/08a; Copy of Sheet 1 of 2, PTO/SB/08a, filed 01/24/2006; Certificate of Express Mail: Return Receipt Postcard</small>   |  |   |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)  
10/565,859

INTERNATIONAL APPLICATION NO.  
PCT/JP2004/016694

ATTORNEY'S DOCKET NUMBER  
MAT-8809US

21. ☐ Basic national fee (37 CFR 1.492(a))..... **\$300**

22. ☐ Examination fee (37 CFR 1.492(c))

If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)... \$0

All other situations.....\$200

23. ☐ Search fee (37 CFR 1.492(b))

If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)... \$0

Search fee (37 CFR 1.44(a)(2)) has been paid on the international application to the USPTO as  
an International Searching Authority.....\$100

International Search Report prepared by an ISA other than the US, and provided to the Office or previously communicated to the US by the IB ..... \$400

All other situations.....\$500

**TOTAL OF 21, 22 and 23 =**

☐ Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium).

The fee is **\$250** for each additional 50 sheets of paper or fraction thereof.

| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE |
|--------------|--------------|---|------|
|--------------|--------------|---|------|

- 100 =                      /50 =                                           x \$250

Surcharge of **\$130.00** for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).

| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE |
|--------|--------------|--------------|------|
|--------|--------------|--------------|------|

|              |        |         |
|--------------|--------|---------|
| Total claims | - 20 = | x \$ 50 |
|--------------|--------|---------|

|                    |       |  |         |
|--------------------|-------|--|---------|
| Independent claims | - 3 = |  | x \$200 |
|--------------------|-------|--|---------|

|   |         |
|---|---------|
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | + \$360 |
|---|---------|

**TOTAL OF ABOVE CALCULATIONS =**

☐ Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.

**SUBTOTAL =**

Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).

TOTAL NATIONAL FEE =

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). **\$40.00** per property +

TOTAL FEES ENCLOSED =

|                        |    |
|------------------------|----|
| Amount to be refunded: | \$ |
|------------------------|----|

|                       |    |
|-----------------------|----|
| Amount to be charged: | \$ |
|-----------------------|----|

- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit t  
Account No. 18-0350. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.


**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

**SEND ALL CORRESPONDENCE TO:**

☒ Customer Number 23122

OR

☒ Ratner Prestia, P.O. Box 980, Valley Forge, PA 19482

 RatnerPrestia, P.O. Box 1596, Wilmington, DE 19899

Date : March 13, 2006

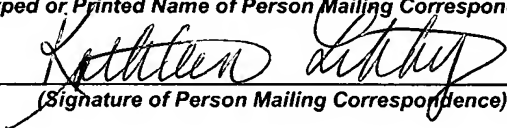
SIGNATURE

Lawrence E. Ashery

NAME \_\_\_\_\_

34,515

REGISTRATION NUMBER

|  |                                 |                            |                                  |
|--|---------------------------------|----------------------------|----------------------------------|
| <b>CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)</b><br>Applicant(s): Makoto Funabiki, et al.   |                                 |                            | Docket No.<br>MAT-8809US         |
| Serial No.<br>10/565,859   | Filing Date<br>January 24, 2006 | Examiner<br>To Be Assigned | Group Art Unit<br>To Be Assigned |
| Invention: MOBILE COMMUNICATION METHOD, MOBILE COMMUNICATION APPARATUS,<br>HOME AGENT APPARATUS, ACCESS ROUTER INFORMATION SERVER<br>APPARATUS, AND MOBILE COMMUNICATION SYSTEM  |                                 |                            |                                  |
| I hereby certify that the following correspondence:<br><div style="border: 1px solid black; height: 120px; margin-top: 10px; padding: 10px;">           PTO 1390 Transmittal With Indicated Enclosures         </div> <div style="text-align: center; margin-top: 10px;"> <i>(Identify type of correspondence)</i> </div> <p style="margin-top: 20px;">             Is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 13, 2006.           </p> <div style="text-align: right; margin-top: 20px;"> <div style="margin-bottom: 5px;">             Kathleen Libby<br/> <i>(Typed or Printed Name of Person Mailing Correspondence)</i> </div> <div style="margin-bottom: 5px;"> <br/> <i>(Signature of Person Mailing Correspondence)</i> </div> <div style="margin-top: 10px;">             EV 614 758 980 US<br/> <i>("Express Mail" Mailing Label Number)</i> </div> </div> <div style="text-align: center; margin-top: 20px; font-size: 1.2em;"> <b>EV614758980US</b> </div> <p style="margin-top: 20px;"> <b>Note: Each paper must have its own certificate of mailing.</b> </p> |                                 |                            |                                  |

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No: 10/565,859  
Applicant: Makoto Funabiki, et al.  
Filed: January 24, 2006  
Title: MOBILE COMMUNICATION METHOD, MOBILE COMMUNICATION  
APPARATUS, HOME AGENT APPARATUS, ACCESS ROUTER INFORMATION  
SERVER APPARATUS, AND MOBILE COMMUNICATION SYSTEM  
TC/A.U.: To Be Assigned  
Examiner: To Be Assigned

**CORRECTED INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants filed an Information Disclosure Statement on January 24, 2006 for the above-identified application. However, form PTO/SB/08a, sheet 1 of 2, included a typographical error in identifying reference JP 2002-271377. Applicants attach a replacement PTO/SB/08a, Sheet 1 of 2, and request that the Examiner substitute this sheet for PTO/SB/08a, Sheet 1 of 2, of the Information Disclosure Statement filed January 24, 2006.

Respectfully submitted,

  
\_\_\_\_\_  
Lawrence E. Ashery, Reg. No. 34,515  
Attorney for Applicants

LEA/dmw

Enclosures: Transmittal  
Replacement PTO/SB/08a  
Copy of PTO/SB/08a filed 01/24/2006

March 13, 2006

P.O. Box 980  
Valley Forge, PA 19482  
(610) 407-0700

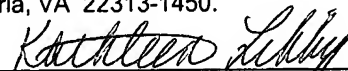
The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. **18-0350** of any fees associated with this communication.

**EXPRESS MAIL**

Mailing Label Number:  
Date of Deposit:

EV 614 758 980 US  
March 13, 2006

I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Kathleen Libby

DMW\_I:\MAT\8809US\CORRECTEDIDS.DOC

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 1 of 2

**Complete if Known**

|                      |                         |
|----------------------|-------------------------|
| Application Number   | To Be Assigned          |
| Filing Date          | January 24, 2006        |
| First Named Inventor | Makoto Funabiki, et al. |
| Art Unit             | To Be Assigned          |
| Examiner Name        | To Be Assigned          |
| Attorney Docket No.  | MAT-8809US              |

COPY

**U.S. PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                            | Publication Date<br>(MM-DD-YYYY) | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|--|----------------------------------|--|---|
|                       |                          | Number - Kind Code <sup>2</sup> (if known) |                                  |  |   |
|                       |                          | US-  |                                  |  |   |
|                       |                          | US-  |                                  |  |   |
|                       |                          | US-  |                                  |  |   |
|                       |                          | US-  |                                  |  |   |
|                       |                          | US-  |                                  |  |   |
|                       |                          | US-  |                                  |  |   |
|                       |                          | US-  |                                  |  |   |
|                       |                          | US-  |                                  |  |   |
|                       |                          | US-  |                                  |  |   |
|                       |                          | US-  |                                  |  |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>(MM-DD-YYYY) | Name of Patentee or<br>Applicant of Cited<br>Document | Pages, Columns,<br>Lines, Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>6</sup>           |
|-----------------------|--------------------------|---|----------------------------------|---|--|--------------------------|
|                       |                          | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                  |   |  |                          |
|                       |                          | JP 2002-125254 A (with English abstract)  | 04/26/2002                       | MITSUBISHI<br>ELECTRIC CORP                           |  | <input type="checkbox"/> |
|                       |                          | JP 11-234289 A (with English abstract)  | 08/27/1999                       | YRP IDOU<br>TSUSHIN KIBAN<br>GIJUTSU<br>KENKYUSHO:KK  |  | <input type="checkbox"/> |
|                       |                          | JP 2002-271237 A (with English abstract)  | 09/20/2002                       | NEC CORP  |  | <input type="checkbox"/> |
|                       |                          | JP 2003-209890 A (with English abstract)  | 07/25/2003                       | MATSUSHITA<br>ELECTRIC IND CO<br>LTD                  |  | <input type="checkbox"/> |
|                       |                          |   |                                  |   |  | <input type="checkbox"/> |
|                       |                          |   |                                  |   |  | <input type="checkbox"/> |

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

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